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審査請求　未請求　請求項の数1　OL　（全 3 頁）

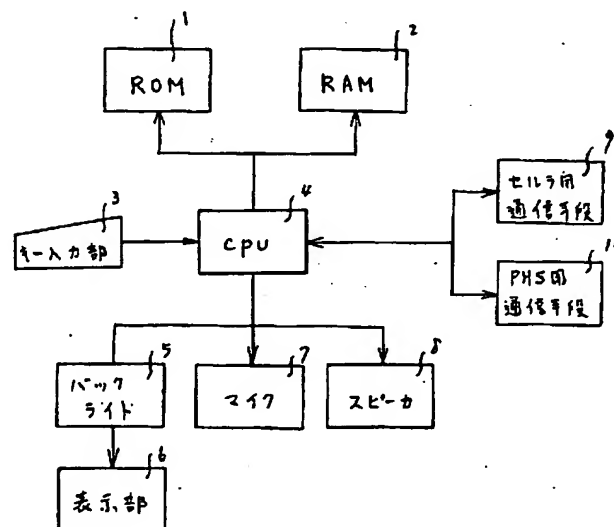| (21)出願番号 | 特願平8−1164 | (71)出願人　000006633 |
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(54)【発明の名称】　セルラー／PHS携帯電話装置

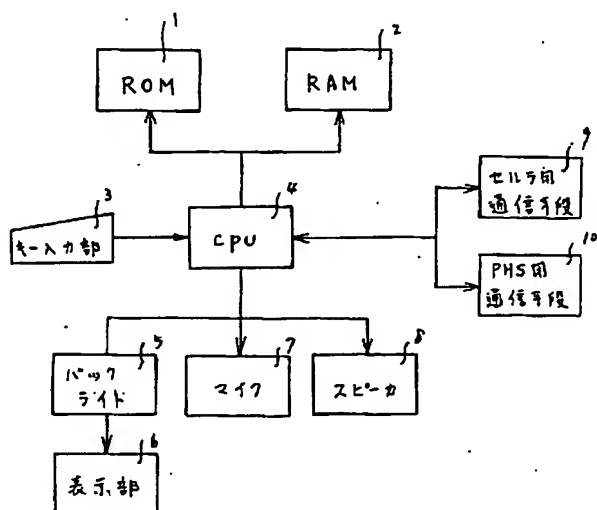(57)【要約】
【課題】2以上のシステムと送受信できる電話端末のときには表示部のバックライトの色で識別する。
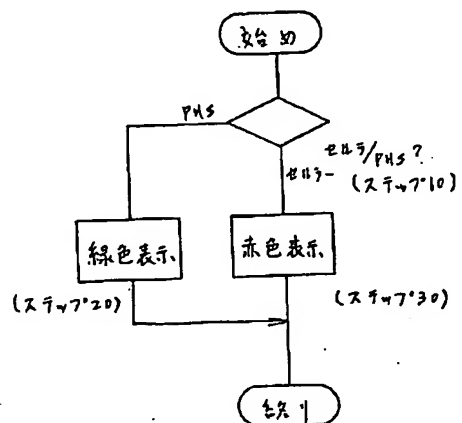【解決手段】本発明は所望の通信システムを選択するために、キー入力部から識別コードを入力すると、バックライトに選択されたシステムの色表示が行なわれるので、容易に判別することができる。
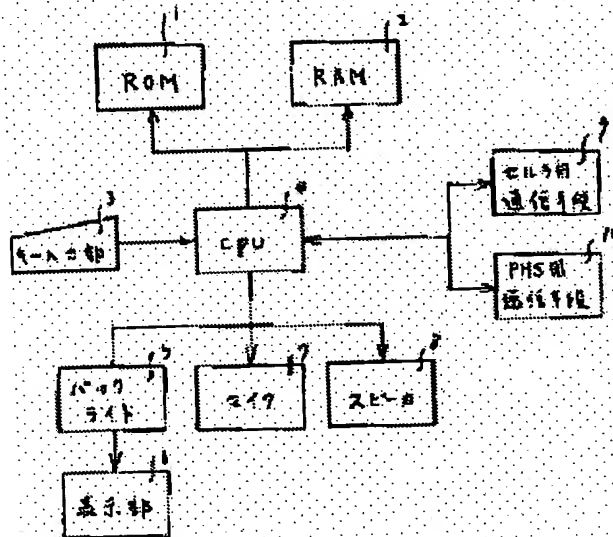
7　マイク
8　スピーカ

9　セルラ用通信手段
10　ＰＨＳ用通信手段

【図1】



【図2】

# CELLULAR/PHS PORTABLE TELEPHONE SYSTEM

| | |
|---|---|
| Patent number: | JP9191491 |
| Publication date: | 1997-07-22 |
| Inventor: | TANAKA TORU; SUDA KAZUYOSHI |
| Applicant: | KYOCERA CORP |
| Classification: | |
| - international: | H04Q7/38; H04M1/02 |
| - european: | |
| Application number: | JP19960001164 19960109 |
| Priority number(s): | JP19960001164 19960109 |

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Abstract of **JP9191491**

PROBLEM TO BE SOLVED: To easily discriminate a transmission reception mode by selecting a display color of a back light of a display section based on the selected mode.
SOLUTION: Upon the receipt of a prescribed code from a key entry section 3, a CPU 4 controls a program stored in a ROM 1 to select a cellular communication means 9 or a PHS communication means 10 corresponding to an entered code. Then an entered identification code and a code registered in advance in the system are compared and when coincident, a display color of a back light 5 of a display section 6 is selected in red color when, e.g. the cellular communication means 9 is selected or in green color when the PHS communication means 10 is selected. Thus, which mode is selected is easily discriminated by having only to view a color of the back light 5.



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CLAIMS

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[Claim(s)]
[Claim 1] It has the key input section in which an operator does an actuation input, and the display which displays the input data from the key input section. In cellular / PHS cell phone unit which can be performed by switching the PHS mode in which it talks over the telephone through the cellular mode and the PHS base station which talk over the telephone through a cellular base station Cellular / PHS cell phone unit characterized by switching the foreground color of the back light of this display based on the mode chosen with the selection means and this selection means for choosing this cellular mode and this PHS mode.

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[Translation done.]

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## DETAILED DESCRIPTION

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[Detailed Description of the Invention]
[0001]
[Field of the Invention] This invention relates to cellular / PHS cell phone unit which classifies the back
light of LED, such as a ten key and a dispatch key, or a display by color based on those modes in
compound machines, such as cellular / PHS mode.
[0002]
[Description of the Prior Art] In the conventional cellular / PHS cell phone unit, as a means for telling a
user about as which mode it is set, it had recognized by the difference in a ringer sound as indicated by
JP,6-326655,A.
[0003]
[Problem(s) to be Solved by the Invention] If it was in the conventional cellular / PHS cell phone unit,
since it turned out as which mode begin when the dial tone from the other party is heard, and it is set,
when sending from one's direction, it was not understood as which mode it would be set.
[0004] Moreover, in the case of the system which switches automatically, the user had to check the
contents of a display for which mode it is now.
[0005]
[Means for Solving the Problem] The key input section in which this invention is for solving these
technical problems, and an operator does an actuation input, In cellular / PHS cell phone unit which is
equipped with the display which displays the input data from the key input section, and can be
performed by switching the PHS mode in which it talks over the telephone through the cellular mode
and the PHS base station which talk over the telephone through a cellular base station Cellular / PHS
cell phone unit which switches the foreground color of the back light of this display based on the mode
chosen with the selection means and this selection means for choosing this cellular mode and this PHS
mode are offered.
[0006]
[Embodiment of the Invention] Hereafter, the example of this invention is explained using a drawing.
Drawing 1 is the block diagram of cellular / PHS cell phone unit of this invention, and drawing 2 is the
flow chart of cellular / PHS cell phone unit of this invention. RAM for the key input section for 3 to
input data and 2 to store the data from the key input section 3 in drawing 1 R> 1, ROM in which the
program whose this invention carries out motion control of 1 is stored, CPU which controls the program
in which 4 is stored in the ROM4, The means of communications for cellular one and 10 consist of
means of communications for PHS for a loudspeaker for a microphone for 7 to input voice and 8 to
output voice, the display as which 6 displays data, the back light with which 5 can display the display 5
also in a dark location, and 9. Explanation of operation is performed based on drawing 1 and drawing 2
R> 2. When a predetermined code is inputted from the key input section 3, it is decided by the system
that the means of communications 9 for cellular one is chosen, or the means of communications 10 for
PHS is chosen corresponding to the code. For example, if the identification code of the means of
communications 9 for cellular one is inputted as "XYZ" from the key input section 3 here when

communication link cost wants to choose [ user ] the cheap means of communications 10 for PHS when identification code of the means of communications 10 for PHS is made into "XYZ", "ABC" and, the comparison of data will be performed between the inputted identification code and the code beforehand registered into the system (step 10). And when the identification code is in agreement, as shown by drawing 2 , a green display is performed to a back light (step 20). Next, if "ABC" of identification code is inputted from the key input section 3 to choose the means of communications 9 for cellular one, the comparison of data is performed between the inputted identification code and the code beforehand registered into the system (step 10), and when the identification code is in agreement, as shown by drawing 2 , a red display will be performed to a back light (step 30). Moreover, when switching from the telephone number, positional information, etc. automatically, it is possible for CPU4 to judge and to switch the color of a back light 5. Furthermore, if the detector of the means of communications 9 for cellular one or the means of communications 10 for PHS is used, a system will switch automatically using the detector, and the color of a back light 5 will be switched according to the mode which switched.
[0007]
[Effect of the Invention] According to this invention, distinction of whether to have transmitted and received whether it has transmitted and received using the means of communications for cellular one using the means of communications for PHS can make it easy only by seeing the color of a back light as mentioned above.
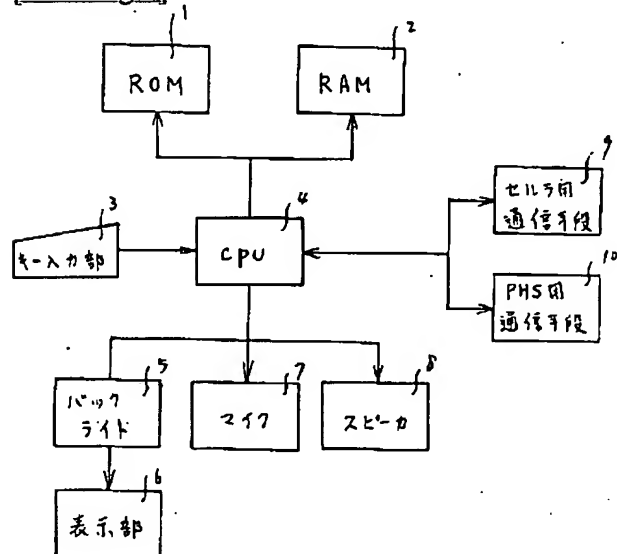
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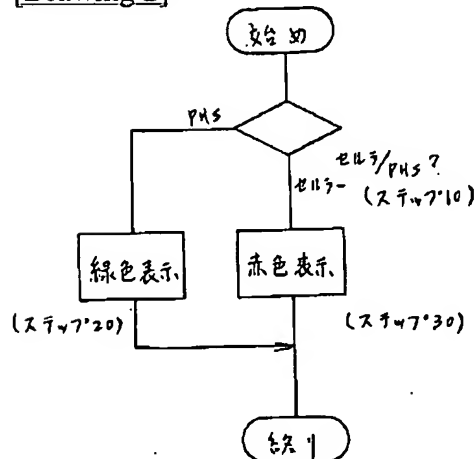damages caused by the use of this translation.

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DRAWINGS

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[Drawing 1]



[Drawing 2]



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[Translation done.]